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**Tetra Tech EM Inc.**

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April 2, 2001

Mr. Brad Benning
On-Scene Coordinator
Emergency Response Branch
U.S. Environmental Protection Agency Region 5
77 West Jackson Boulevard
Chicago, IL 60604

**Subject: Final Report
76th and Albany Fund-Lead Removal Actions
Chicago, Illinois
Technical Direction Document No. S05-0012-007
Tetra Tech Contract No. 68-W-00-129**

Dear Mr. Benning:

The Tetra Tech EM Inc. Superfund Technical Assessment and Response Team (START) is submitting the enclosed documents for the 76th and Albany Fund-Lead Removal Actions Emergency Response site in Chicago, Illinois. If you have any questions or comments about the documents or need additional copies, please contact me at (312) 946-6482 or Thomas Kouris at (312) 946-6431.

Sincerely,

Jodi L. McCarty, Health Scientist
Project Manager

Enclosure

cc: Lorraine Kosik, START Program Officer
Thomas Kouris, START Program Manager

**76th and Albany
Fund-Lead Removal Actions
Autofluff Treatment Log**

Date	Amount Autofluff Treated (yd³)	Amount Autofluff Treated To Date (yd³)
1/8/2001	234	234
1/9/2001	134	368
1/10/2001	500	868
1/11/2001	900	1,768
1/12/2001	607	2,375
1/15/2001	538	2,913
1/16/2001	613	3,526
1/17/2001	725	4,251
1/18/2001	750	5,001
1/19/2001	625	5,626
1/22/2001	691	6,317
1/23/2001	628	6,945
1/24/2001	794	7,739
1/25/2001	75	7,814
1/26/2001	656	8,470
1/29/2001	No treatment	
1/30/2001	486	8,956
1/31/2001	648	9,604
2/1/2001	567	10,171
2/2/2001	486	10,657
2/5/2001	486	11,143
2/6/2001	648	11,791
2/7/2001	648	12,439
2/8/2001	No treatment	
2/9/2001	No treatment	
2/12/2001	648	13,087
2/13/2001	729	13,816
2/14/2001	650	14,466
2/15/2001	551	15,017
2/16/2001	650	15,667
2/19/2001	737	16,404
2/20/2001	747	17,151
2/21/2001	654	17,805
2/22/2001	654	18,459
2/23/2001	651	19,110
2/26/2001	623	19,733
2/27/2001	600	20,333
2/28/2001	392	20,725
3/1/2001	354	21,079
3/2/2001	556	21,635
3/5/2001	383	22,018
3/6/2001	100	22,118

**76th and Albany
Fund-Lead Removal Actions
Sampling Log**

Sample ID	Date Sample Collected	Date Sample Sent	Results		
			TCLP Lead (mg/L)	PCBs total (mg/kg)	Pass/Fail
SP-001	1/9/2001	1/10/2001	0.157	2.73	Pass
SP-002	1/10/2001	1/10/2001	2.8	2.73	Pass
SP-003	1/10/2001	1/10/2001	9.68	3.52	Fail
SP-003A	1/15/2001	1/15/2001	0.249	19.81	Pass
SP-004	1/12/2001	1/12/2001	1.48	32.68	Pass
SP-005	1/12/2001	1/12/2001	0.793	13.3	Pass
SP-006	1/15/2001	1/15/2001	0.026	21.96	Pass
SP-007	1/16/2001	1/16/2001	<0.004	32.2	Pass
SP-008	1/16/2001	1/16/2001	0.061	40.6	Pass
SP-009	1/17/2001	1/17/2001	<0.004	22.55	Pass
SP-010	1/18/2001	1/18/2001	<0.004	9.96	Pass
SP-011	1/18/2001	1/18/2001	0.099	11.8	Pass
SP-012	1/19/2001	1/19/2001	<0.004	15.09	Pass
SP-013	1/19/2001	1/19/2001	0.042	33.2	Pass
SP-014	1/22/2001	1/22/2001	0.114	29.7	Pass
SP-015	1/22/2001	1/22/2001	<0.004	24.11	Pass
SP-016	1/23/2001	1/23/2001	0.107	29.3	Pass
SP-017	1/24/2001	1/24/2001	<0.004	36.9	Pass
SP-018	1/24/2001	1/24/2001	0.0167	25.56	Pass
SP-019	1/26/2001	1/26/2001	<0.004	26	Pass
SP-020	1/30/2001	1/30/2001	<0.004	6.47	Pass
SP-021	1/31/2001	1/31/2001	<0.004	8.43	Pass
SP-022	1/31/2001	1/31/2001	0.0965	8.84	Pass
SP-023	2/1/2001	2/1/2001	<0.004	13.88	Pass
SP-024	2/2/2001	2/2/2001	<0.004	7.32	Pass
SP-025	2/5/2001	2/5/2001	5.63	17.14	Fail
SP-025A	2/7/2001	2/7/2001	2.66	N/A	Pass
SP-026	2/6/2001	2/6/2001	0.048	16.65	Pass

**76th and Albany
Fund-Lead Removal Actions
Sampling Log**

Sample ID	Date Sample Collected	Date Sample Sent	Results		
			TCLP Lead (mg/L)	PCBs total (mg/kg)	Pass/Fail
SP-027	2/7/2001	2/7/2001	<0.004	33.3	Pass
SP-028	2/12/2001	2/12/2001	0.783	11.16	Pass
SP-029	2/12/2001	2/12/2001	0.0308	13.79	Pass
SP-030	2/13/2001	2/13/2001	0.0883	9.92	Pass
SP-031	2/14/2001	2/14/2001	0.0125	16.77	Pass
SP-032	2/15/2001	2/15/2001	<0.004	7.67	Pass
SP-033	2/16/2001	2/16/2001	0.0427	12.64	Pass
SP-034	2/16/2001	2/16/2001	0.202	10.96	Pass
SP-035	2/19/2001	2/19/2001	0.322	3.6	Pass
SP-036	2/20/2001	2/20/2001	<0.004	9.99	Pass
SP-037	2/21/2001	2/21/2001	<0.004	8.28	Pass
SP-038	2/22/2001	2/22/2001	<0.004	15.36	Pass
SP-039	2/23/2001	2/23/2001	0.0317	12.64	Pass
SP-040	2/26/2001	2/26/2001	<0.004	11.65	Pass
SP-041	2/27/2001	2/27/2001	0.127	6.13	Pass
SP-042	2/28/2001	2/28/2001	0.0584	9.77	Pass
SP-043	3/1/2001	3/1/2001	<0.004	8.89	Pass
SP-044	3/2/2001	3/2/2001	<0.004	1.622	Pass
SP-045	3/5/2001	3/5/2001	<0.004	6.56	Pass

Notes

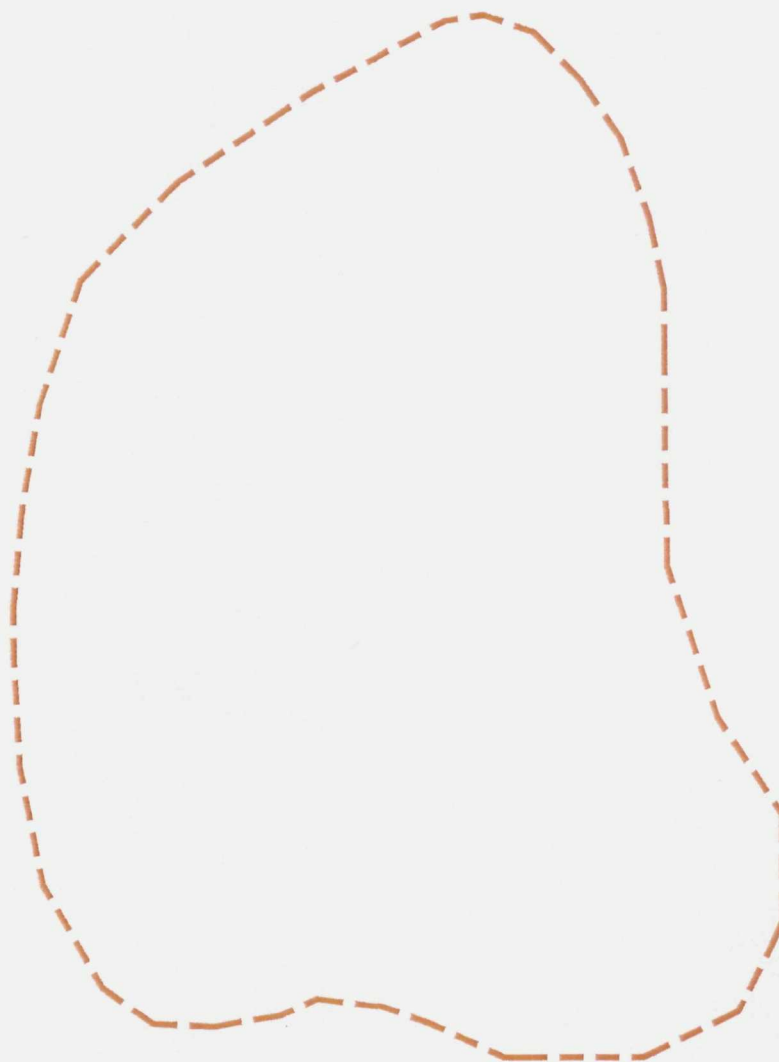
N/A = Not analyzed
PCB = Polychlorinated biphenyl
TCLP = Toxicity characteristic leaching procedure



76TH STREET

BAK
ELECTRIC

ALBANY STREET



--- AREA OF REMOVED SOIL

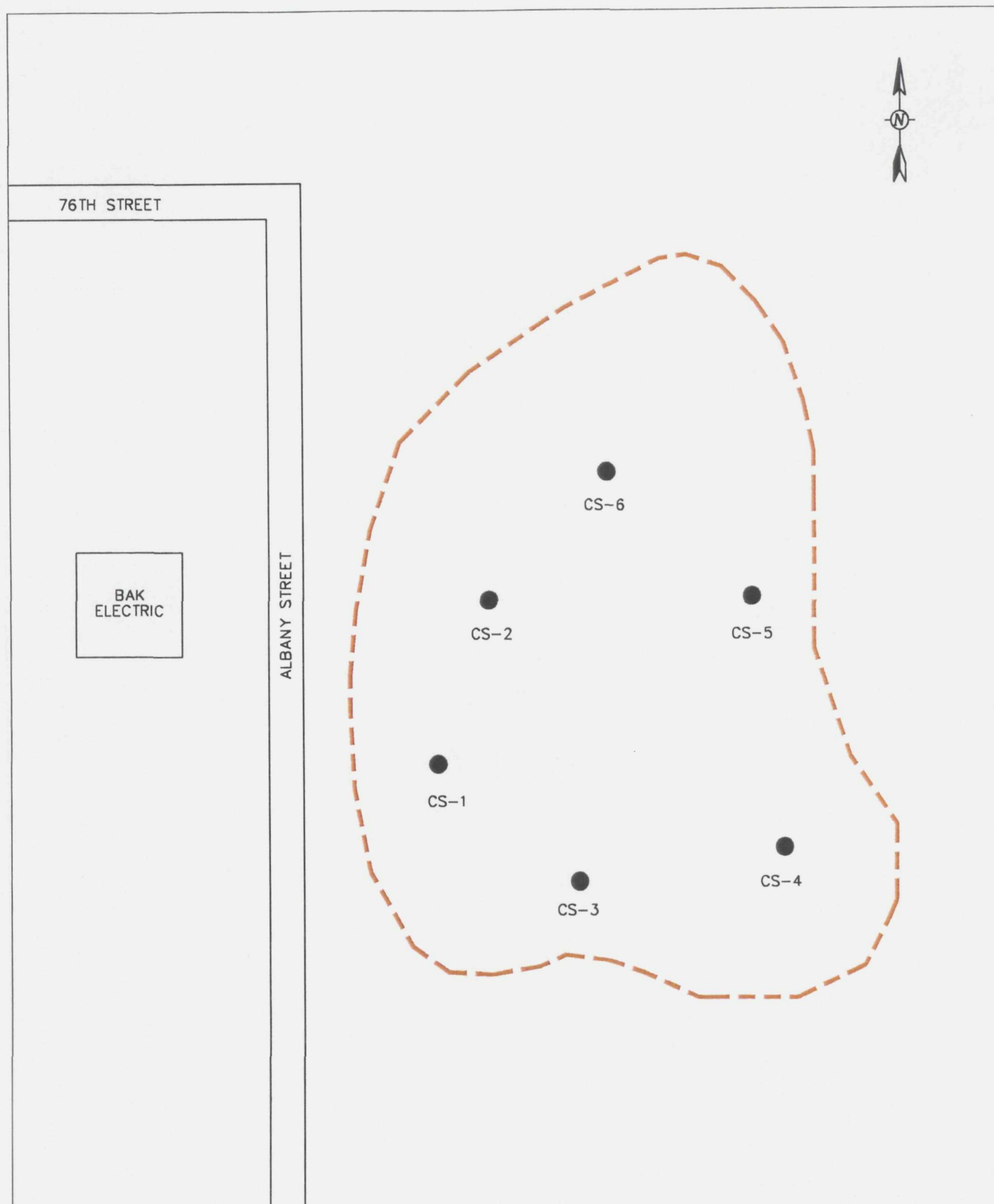
0 15 30
SCALE IN FEET

76TH AND ALBANY
CHICAGO, ILLINOIS

FIGURE 1
FINAL SITE LAYOUT

 Tetra Tech EM Inc.

SOURCE: MODIFIED FROM SITE DRAWING MARCH 2001



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CS-1

CONFIRMATION SAMPLE LOCATION



AREA OF REMOVED SOIL

0 15 30
SCALE IN FEET

76TH AND ALBANY
CHICAGO, ILLINOIS

FIGURE 2
CONFIRMATION SAMPLE LOCATION MAP

 Tetra Tech EM Inc.

SOURCE: MODIFIED FROM SITE DRAWING MARCH 2001

PHOTOGRAPH LOG
76th AND ALBANY FUND-LEAD REMOVAL ACTIONS
CHICAGO, COOK COUNTY, ILLINOIS



PHOTOGRAPH NO. 1
U.S. ENVIRONMENTAL PROTECTION AGENCY

Subject: Treatment of autofluff.
Site: 76th and Albany
Chicago, Cook County, Illinois
Orientation: North
TDD Number: S05-0012-007
Photographer: START



PHOTOGRAPH NO. 2
U.S. ENVIRONMENTAL PROTECTION AGENCY

Subject: Moving treated autofluff to storage area..

Site: 76th and Albany
Chicago, Cook County, Illinois

Orientation: North

TDD Number: S05-0012-007

Photographer: START



PHOTOGRAPH NO. 3
U.S. ENVIRONMENTAL PROTECTION AGENCY

Subject: Mixing of Maectite solution and autofluff.

Site: 76th and Albany
Chicago, Cook County, Illinois

Orientation: Northeast
TDD Number: S05-0012-007
Photographer: START



PHOTOGRAPH NO. 4
U.S. ENVIRONMENTAL PROTECTION AGENCY

Subject: Severenson setting up Maectite solution

Site: 76th and Albany
Chicago, Cook County, Illinois

Orientation: West
TDD Number: S05-0012-007
Photographer: START



PHOTOGRAPH NO. 5
U.S. ENVIRONMENTAL PROTECTION AGENCY

Subject: Autofluff visible in excavation.

Site: 76th and Albany
Chicago, Cook County, Illinois

Date: 1/31/01

Orientation: Southeast

TDD Number: S05-0012-007

Photographer: START



PHOTOGRAPH NO. 6
U.S. ENVIRONMENTAL PROTECTION AGENCY

Subject: Autofluff visible in excavation.

Site: 76th and Albany
Chicago, Cook County, Illinois

Date: 1/31/01

Orientation: Southeast

TDD Number: S05-0012-007

Photographer: START



PHOTOGRAPH NO. 7
U.S. ENVIRONMENTAL PROTECTION AGENCY

Subject: Loading of trucks with treated autofluff

Site: 76th and Albany
Chicago, Cook County, Illinois

Date: 2/21/01

Orientation: Northeast

TDD Number: S05-0012-007

Photographer: START



PHOTOGRAPH NO. 8
U.S. ENVIRONMENTAL PROTECTION AGENCY

Subject: Loading of trucks with treated autofluff

Site: 76th and Albany
Chicago, Cook County, Illinois

Date: 2/21/01
Orientation: Northeast
TDD Number: S05-0012-007
Photographer: START



PHOTOGRAPH NO. 9
U.S. ENVIRONMENTAL PROTECTION AGENCY

Subject: Southeastern portion of the site.

Site: 76th and Albany
Chicago, Cook County, Illinois

Date: 3/05/01

Orientation: Southeast

TDD Number: S05-0012-007

Photographer: START



PHOTOGRAPH NO. 10
U.S. ENVIRONMENTAL PROTECTION AGENCY

Subject: Northeastern portion of the site.

Site: 76th and Albany
Chicago, Cook County, Illinois

Date: 3/05/01

Orientation: Northeast

TDD Number: S05-0012-007

Photographer: START



PHOTOGRAPH NO. 11
U.S. ENVIRONMENTAL PROTECTION AGENCY

Subject: Sloping walls of the autofluff excavation

Site: 76th and Albany
Chicago, Cook County, Illinois

Date: 3/05/01

Orientation: North

TDD Number: S05-0012-007

Photographer: START



PHOTOGRAPH NO. 12
U.S. ENVIRONMENTAL PROTECTION AGENCY

Subject: Treating of autofluff and loading of treated autofluff onto trucks for disposal.

Site: 76th and Albany
Chicago, Cook County, Illinois

Date: 3/05/01

Orientation: North

TDD Number: S05-0012-007

Photographer: START



PHOTOGRAPH NO. 13
U.S. ENVIRONMENTAL PROTECTION AGENCY

Subject: Northwestern portion of the site.

Site: 76th and Albany
Chicago, Cook County, Illinois

Date: 3/05/01

Orientation: Northwest

TDD Number: S05-0012-007

Photographer: START



PHOTOGRAPH NO. 14
U.S. ENVIRONMENTAL PROTECTION AGENCY

Subject: Southwestern portion of the site.

Site: 76th and Albany
Chicago, Cook County, Illinois

Date: 3/05/01

Orientation: Southwest

TDD Number: S05-0012-007

Photographer: START



PHOTOGRAPH NO. 15
U.S. ENVIRONMENTAL PROTECTION AGENCY

Subject: Severson setting up the Maectite autotfluff treatment solution.

Site: 76th and Albany
Chicago, Cook County, Illinois

Date: 3/05/01

Orientation: NA

TDD Number: S05-0012-007

Photographer: START



PHOTOGRAPH NO. 16
U.S. ENVIRONMENTAL PROTECTION AGENCY

Subject: Loading dump truck with treated outfluff to be moved to the stockpile area.

Site: 76th and Albany
Chicago, Cook County, Illinois

Date: 3/05/01

Orientation: NA

TDD Number: S05-0012-007

Photographer: START



PHOTOGRAPH NO. 17
U.S. ENVIRONMENTAL PROTECTION AGENCY

Subject: Loading dump truck with treated outfluff to be moved to the stockpile area.

Site: 76th and Albany
Chicago, Cook County, Illinois

Date: 3/05/01

Orientation: NA

TDD Number: S05-0012-007

Photographer: START



PHOTOGRAPH NO. 18
U.S. ENVIRONMENTAL PROTECTION AGENCY

Subject: Pile of treated autofluff

Site: 76th and Albany
Chicago, Cook County, Illinois

Date: 3/05/01

Orientation: South

TDD Number: S05-0012-007

Photographer: START



PHOTOGRAPH NO. 19
U.S. ENVIRONMENTAL PROTECTION AGENCY

Subject: Southern portion of the excavation

Site: 76th and Albany
Chicago, Cook County, Illinois

Date: 3/05/01

Orientation: South

TDD Number: S05-0012-007

Photographer: START



PHOTOGRAPH NO. 20
U.S. ENVIRONMENTAL PROTECTION AGENCY

Subject: Southeastern portion of the excavation

Site: 76th and Albany
Chicago, Cook County, Illinois

Date: 3/05/01

Orientation: Southeast

TDD Number: S05-0012-007

Photographer: START



PHOTOGRAPH NO. 21
U.S. ENVIRONMENTAL PROTECTION AGENCY

Subject: Pile of autofluff with Maectite solution.

Site: 76th and Albany
Chicago, Cook County, Illinois

Date: 3/05/01

Orientation: NA

TDD Number: S05-0012-007

Photographer: START